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#7
DmT
6-27-01
1652

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/516,061

DATE: 06/06/2001

TIME: 19:32:24

Input Set : A:\50093.016001.SEQLIST.TXT

Output Set: C:\CRF3\06062001\I516061.raw

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4 <110> APPLICANT: Gopalan, Venkat
5      Jovanovic, Milan
6      Eder, Paul S.
7      Giordano, Tony
8      Powers, Gordon D.
9      Xavier, K. Asish
11 <120> TITLE OF INVENTION: Novel Bacterial Rnase P Proteins and
12      Their Use in Identifying Antibacterial Compounds
15 <130> FILE REFERENCE: 50093/016001
17 <140> CURRENT APPLICATION NUMBER: US 09/516,061
18 <141> CURRENT FILING DATE: 2000-03-01
20 <160> NUMBER OF SEQ ID NOS: 38
22 <170> SOFTWARE: FastSEQ for Windows Version 4.0
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25 <211> LENGTH: 417
26 <212> TYPE: DNA
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32 ggacgaagtg ttgccaatcg gaaatttggt gtctatagtt tagaaaaaga tcaaagtcac 180
33 tatcgtgttg gactttcagt tggaaaaaga ttaggaaatg ctgtcgttag aaatgcgatt 240
34 aaacgaaaat tgcgccatgt cttatggaa cttggtcctt atttaggcac tcaagatttt 300
35 gttgttattg ctagaaaagg tggtgaggaa cttgattata gcacgatgaa aaaaaatctg 360
36 gttcatgttt taaaactggc taaactgtat caggaaggat ctattcgtga aaaagaa 417
38 <210> SEQ ID NO: 2
39 <211> LENGTH: 477
40 <212> TYPE: DNA
41 <213> ORGANISM: Klebsiella pneumoniae
43 <400> SEQUENCE: 2
44 cgctcgtcgtg ctaaaggccg cgctcgtctg accgtttcca agtaataaag ctaaccctgc 60
45 gtgggttaagc tcgcatttcc caggaggtta cgcttggtta ctcccagtc tttcactttc 120
46 gtcttccagc agccacaacg ggctggcacg ccgcaaatca ccatcctcgg ccgcctgaat 180
47 tcgctggggc atccccgcac cggtctcacc gtcgccaaga aaaacgtgaa acgcgcacat 240
48 gaacgcaatc ggattaaacg tctgacgcgt gaaagttttc gtttgctgca acatgaactc 300
49 ccgccaatgg atttcgtggt ggtggcgaaa agaggggttg ccgacctcga taaccgtgct 360
50 ctctcggaag cgttggaaaa attatggcgc cgccattgtc gcttggtcgc cgggtcctga 420
51 tcggcctgat tcgagtttat cagcgcctga ttagtccgct actcgggccg cattgtc 477
53 <210> SEQ ID NO: 3
54 <211> LENGTH: 455
55 <212> TYPE: DNA
56 <213> ORGANISM: Salmonella paratyphi
58 <400> SEQUENCE: 3
59 ctgaccgttt ccaagtaata aagctaaccc ctgagtgggt aagctcgcat ttcccaggga 60
60 gttacgtttg ttaactcccg ctcatctcac attcgtcttc cagcaacctc aacgggctgc 120
61 acgccgcaaa tcaccatcct cgccgcctg aattcgtcgg ggcacccccg tatcggtctt 180
62 accgtcgcca agaaaaatgt tcgacgtgcg catgaacgca accggattaa acgtctgacg 240
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63 cgtgaaagct tccgtctgcg ccagcatgaa cttcctgcaa tggatttcgt ggtggtggcg 300
64 aaaaaagggg ttgccgacct cgataaccgt gctctctcgg aagcgttgga aaaattatgg 360
65 cgccgccact gtcgctggc tcgcgggtcc tgatagccct tattcgggtc tatcaacgcc 420
66 tgatcagtcc gctgcttggg ccgcattgtc gtttc 455

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68 <210> SEQ ID NO: 4

69 <211> LENGTH: 528

70 <212> TYPE: DNA

71 <213> ORGANISM: Pseudomonas aeruginosa

73 <400> SEQUENCE: 4

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74 tctgtcgcgt cgtcgcgcca aaggccgtaa gcgtctgacc gtctgattta tccggtacgg 60
75 gtggtgagtc gggacttcga ccgggacaag cgtctactga cagcccgga attcagcgca 120
76 gtcttcgact ctccgaccgg caaggtcccc ggcaagcacg tcctgctgct ggcgcgcgag 180
77 aacggtctcg atcacccccg cctgggcctg gtgatcggca agaagaacgt caagctcgcc 240
78 gtccagcgca atcgctcaa acgcctgatc cgcaaatcgt tccgccataa ccaggaaacc 300
79 ctggctggct gggatatcgt ggtgatcgcg cgcaaaggcc tgggcgaact ggaaaatccg 360
80 gagctgcacc agcagttcgg caagctctgg aaacgcctgt tgcgcaatcg acctcgcacg 420
81 gaaagccctg ctgacgcccc tggcgtggcc gacggtactc atgcataggt cgatgcccg 480
82 gcatcccgat cctgtagtgc tcatccccc ttcatgacc cggcaccg 528

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84 <210> SEQ ID NO: 5

85 <211> LENGTH: 510

86 <212> TYPE: DNA

87 <213> ORGANISM: Corynebacterium diphtheriae

89 <400> SEQUENCE: 5

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90 ccggtcgcgc aatcgtggct gcacgtcgta acaagggtcg taagagcctg accgcttaag 60
91 gtcactctta caagctcgaa tagaacgacg gtgctacctt cacagcacia gctcagcaat 120
92 tccgaacagt tccgcgcaac gattcggaag ggcaagcgtg ctgggaggag caccgtcgtt 180
93 cttcattttt atgctgaggg gaccgcgggc aaccttgcaa ccgcaggcgg cccgcgattc 240
94 ggcctcgttg tgtccaaggc tgttggaat gctgtgactc gtcaccgtgt ttgcggcgag 300
95 ttaaggcacg tagtaatcgc tatgaaagac cagttcccag cgtcatccca tgttggttg 360
96 agggcgatac cgccagcggc gacagcaagt tatgaggagt tgcgggcaga tgtgcaggca 420
97 gcaactcgaca agctcaaccg caagcgataa ggcggttact cgccctcgtg ggctggttag 480
98 tcgcgcattg tttgatgcgg tgcggttcta 510

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100 <210> SEQ ID NO: 6

101 <211> LENGTH: 504

102 <212> TYPE: DNA

103 <213> ORGANISM: Chlamydia trachomatis

105 <400> SEQUENCE: 6

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106 gctacaaaaa gtggaagaaa tcttttaaat cgtcgtcgcc gtcacggcag acattcctta 60
107 attgatctct aagatctttc atttgtgcat cggttaactc tacctaaaag tgcccgccta 120
108 ttgaaacgta acaatttgt ttacgtgcag cggttgggc aatattgtcg tactgatcag 180
109 gcaactttac gaatagttcc ttctcgtcat tcgaacatcc gtaaagtagg ggttactgtt 240
110 tctaaaaaat ttgggaaagc ccatcagcgc aatcgcttta aaagaattgt gcgagaggct 300
111 tttaggcattg tgcgacaaa tcttcccgca tgtcaagtgg tagtgtctcc taaagggggc 360
112 actctaccaa attttggtta actatccgcg gatcttctta agcatattcc agaggctttg 420
113 cctctcgtaa cttcttctaa gtagtttttt attttggtca aaaaataaaa aaccattcca 480
114 cgctatagag gcatggaatg ggaa 504

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116 <210> SEQ ID NO: 7

117 <211> LENGTH: 492

118 <212> TYPE: DNA

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119 <213> ORGANISM: Vibrio cholerae

121 <400> SEQUENCE: 7

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123 ctaaccacga gaagggcgag agaggcggtg ccatagtttg ccaagcaagt taaacagttc 120
124 ttcattgctc aaatcttgcg cgctcttttt ggcgatgaca acaaaatctt tgtagccag 180
125 ttgattttga tgtaagcgaa agctttctct gcaaatacgt ttgaatcgat tacggccgac 240
126 ggcagttttg atctgctttt taggaaccgc gagtcccaa cgaggatgag aaaggttatt 300
127 agcgcgagcg atgattgtga gatgaggaga accagcactg tgagcttgct ggaagacttt 360
128 ttgataatgt tcgggagtta acaaacgtaa ctcccgattg aatgcgtacg tactcaaaat 420
129 aattcgagat ttttttgaca ggcgcttacg gccttttgca cgacgtgcat tcagaacttt 480
130 acgaccgttc gc

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492

132 <210> SEQ ID NO: 8

133 <211> LENGTH: 492

134 <212> TYPE: DNA

135 <213> ORGANISM: Neisseria gonorrhoea

137 <400> SEQUENCE: 8

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139 tcatacctgt ttcccgcatc cggttgccgg gttgccgaac atgagttgtg ccagttccgc 120
140 ccttgccctgt tttgcggtag ccctgtcgaa tttccggcgg acgcgcacga cgaaatcctg 180
141 aggcggcagc cggtttttgt tcaatctgaa ccagtcgcgg atgacgcgtt tcatatagtt 240
142 ccgctcggtg gcgcgtttgg cggttttttt gccgaccacc agaccgatgc ggggatggtc 300
143 cagcccgttg ccgtttgagc gcgaaacttg cagcaggtcg cggtgcggc ggtttctgaa 360
144 tgcaaaaacg gatgaaaaat catccgtttt taacaagcgg tactgccttc cgaagcggtta 420
145 gtccaaaatt acactgccag gcgtttgcgg cctttggcac ggctgcggc caatactgcg 480
146 cgtccgccgc gt

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492

148 <210> SEQ ID NO: 9

149 <211> LENGTH: 492

150 <212> TYPE: DNA

151 <213> ORGANISM: Neisseria meningitidis

153 <400> SEQUENCE: 9

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154 tgttccttag tatgggaaac ccgttgccgt ctgaaccttg cctgcagagt accgttctga 60
155 tcatgcctgt ttcctgcatc cggttgccgg gttgccgaac atgagttgtg ccagttccgc 120
156 ccttgccctgt tttgcggtag ccctgtcgaa tttacggcgg acgcgcacga cgaaatcctg 180
157 cggcggcagc cggtttttgt tcaatctgaa ccagtcgcgg atgacgcgtt tcatataatt 240
158 tcgttcgttg gcgcgtttgg cggttttttt gccgaccacc agaccgatgc ggggatgatc 300
159 cagcccgttg ccgtttgaa gcgaaacttg cagcaggtcg cggtgcggc ggtttctgaa 360
160 tgcaaaaacg gatgaaaaat catccgtttt caacaagcgg tactgccttc cgaagcggtta 420
161 gtccaaaatt acaccgccag gcgtttgcgg cctttggcgc gccgtgcggc caatactgcg 480
162 cgtccgccgc gc

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492

164 <210> SEQ ID NO: 10

165 <211> LENGTH: 462

166 <212> TYPE: DNA

167 <213> ORGANISM: Streptococcus pyogenes

169 <400> SEQUENCE: 10

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170 gttacctcac cagaccaca ggccactaat aatagaacta aggggactat tcttgcaatt 60
171 ttaatgtttt tcttactctt caaaaccttt ctcaagcaat tgtgctaact ttaaaacatg 120
172 atgtaaatat tggtgaagct cttgatactc caaagattcg acacccttac gggcaatcac 180
173 caggaatcc tctgacttca gctgatgcc taatgccatg ataactgac gtatctttcg 240
174 tttgactgca tttctggtga ctgcatttcc tattttttta ccgacagaaa taccacacg 300

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175 gaagtgggtct tggcctctat ttaaatgata aatgacaaat tttcgatttg ctgtactttt 360
176 tccatcctta aatatggctt ggaaatcttt ctcacgcttg acacgatagg tcttcttcaa 420
177 aatttaactc caatatctaa attattacca ttataccaca tc 462
179 <210> SEQ ID NO: 11
180 <211> LENGTH: 492
181 <212> TYPE: DNA
182 <213> ORGANISM: Bordetella pertussis
184 <400> SEQUENCE: 11
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187 cgtgaggctt gccggtgtca gcttgctgtg cagccgcacc acgtaatcct gggccggcag 180
188 ggcaagccgg cgagcccga acgcttcgcg gatgaccgcg ttcaaggat tgccgctcac 240
189 ggcgcgggcg gcaaaacgct tggcgatcac caggcccagg cgcgcgcgcg ccggctggtc 300
190 atcagcaggg gcacagggcg aggcgctgac aataaagaaa gccctcggg ccagtcgccg 360
191 gcctttgagg gcggcggaac actcggaggg gcgatgcaat cgcgcctccg cagggagcgt 420
192 ggcgcgcggc atgggtgacg tgacggagac tggcgacggg gccggcgggc atgctcctgt 480
193 tacaggcaat cc 492
195 <210> SEQ ID NO: 12
196 <211> LENGTH: 534
197 <212> TYPE: DNA
198 <213> ORGANISM: Porphyromonas gingivalis
200 <400> SEQUENCE: 12
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202 ttactcgitt ttcaaagccg atgaaggtac atttcggca attctgatca gactcttttg 120
203 catcgctctc tccactgtac gaaagtcagg aagttcatcc gatactacca taaatgcaat 180
204 agtagcatag atctgtctct cttggaggac atcgttcagg aggtgtttgt tgagccgata 240
205 agcctccctg accaaacgct tgaccctatt gcgcttcacg gctcgcttaa accttttctt 300
206 tgctacgctt accagcatgg aggaatatgc aactcgatgc tccgatccca gacggtagac 360
207 tacgcgtaga ggataaacga caaacgcctt gccttcgcca aagaccgat tgatttcac 420
208 gcgaagatag aggcgttcgc ttttgatag gccgaatgta ggcgagagg tcatttcccg 480
209 ttgaggtaat cctctaagc catagccata gaaggatatt gtcgggtcgg cgca 534
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212 <211> LENGTH: 495
213 <212> TYPE: DNA
214 <213> ORGANISM: Streptococcus pneumoniae
216 <400> SEQUENCE: 13
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218 ctagtcaact ttagtttctt ttctactccc atttcttcc cggtaaactt ttgataattt 120
219 taatacatgg agtagatttt tctccatctc tgcgtatccc aaggtttcga ctcttttctg 180
220 agcaatgaca acaaagtcga catcttctac cagactccct tttgcattct ggataaatatg 240
221 ccgaatccgt cgcttaattt gatttctagt gacggcattc cccagttttt tgctaactga 300
222 tagacctact cgaaaacggg ttttctggtt ttctaattgg tagaccacaa atttgcgatt 360
223 agcaaaactt gtccctcct tgaaaatcgc cttaaaactt ttctctctt ttacacgaaa 420
224 gtttttcttc aaaactcaac tccatctatt aaattactac tattatacca tatttttcaa 480
225 aaaagccaat catag 495
227 <210> SEQ ID NO: 14
228 <211> LENGTH: 465
229 <212> TYPE: DNA
230 <213> ORGANISM: Clostridium difficile

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235 agtagcatcc ttactagata cccttgctat aaatactata tcatatccag gcttaatttt 180
236 ttcatacaata tttaatctgt aggcttcttt tattaatctt cttactctat tcctagtaat 240
237 agcttttccct actttttttg aaacagaaat acctactcta ctataatctg atttattttt 300
238 aagtatatat attactaaat atttgtttgc aaaagatttg ccgtgtttat atacttttct 360
239 aaaatcagag tcttttttca accctttagt cctattaaag tccatagtta acctccataa 420
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242 <210> SEQ ID NO: 15

243 <211> LENGTH: 447

244 <212> TYPE: DNA

245 <213> ORGANISM: Camphylobacter jejuni

247 <400> SEQUENCE: 15

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249 tcatttgaaa cattctagtt ttttcaatcc ccattttaga tttttttcta acctagaaaa 120
250 agaaagttca gtgatttcat ttttagctac aaaaatatat ttgccatctt gaagatatct 180
251 ttcaaactta gcaaacaaag ctcttaaaat tcgttttgaa cgattttctaa ccaactgctt 240
252 tccaactttt ttactagcaa caactgctat ttttttttca taactattca gataaaaaaat 300
253 gatcacacct tcgcaatgcc attttttgcc tactttatat acagatgaaa attcctcgtt 360
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255 gcattgatca ctttgcgacc attttta 447

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257 <210> SEQ ID NO: 16

258 <211> LENGTH: 480

259 <212> TYPE: DNA

260 <213> ORGANISM: Baccillus anthracis

262 <400> SEQUENCE: 16

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265 gcttttcttt aattcttcat atgtcatctc tgcacaaggc ttccttgcta ttataacaaa 180
266 atcttttcca gaatctatct catcttttaa ttctgtgatc gactggcgaa tcatacgttt 240
267 aattcgggta cgcactactg catttcctat cttcttgctg acagaaaggc caatacga 300
268 gtttggtgct tcttctttat ctagtgtata gacaacaaat tgacgattcg cattcgattt 360
269 tcctttttga aaaaccgtct ggaattcatc attctttttt atacgatgtt ttttcttcat 420
270 atcaattgac actcctgtag ttcatcagcg gaaattcact attattagaa aaaaagacca 480

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273 <210> SEQ ID NO: 17

274 <211> LENGTH: 480

275 <212> TYPE: DNA

276 <213> ORGANISM: Mycobacterium avium

278 <400> SEQUENCE: 17

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280 tcacggcccgc gttcccgcgc gcatgcgcgc caggcaccgc tgcagttcct gcgccaggcg 120
281 cgccgacgac gcggtccggc ttccgggcag cgcgcgaaac accagccggg cggtatggttc 180
282 gagttcgccg agcagggccc gggccacgtg acgcagccgc cgggccacgc ggtgtcggtg 240
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285 gtgcttcacc gtcgcgtcaa actcgggtga ccgcgtcatg cggttgctg cgggaagcac 420
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289 <210> SEQ ID NO: 18

VERIFICATION SUMMARY

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